



## Department of Energy

Golden Field Office  
1617 Cole Boulevard  
Golden, Colorado 80401-3393

June 2, 2010

Peter Brunner  
County of Howard  
3430 Courthouse Drive  
Ellicott City, MD 21043

Dear Mr. Brunner:

**SUBJECT:** Award No. DE-EE0000742; Recovery Act: County of Howard, MD Energy Efficiency and Conservation Block Grant.

In accordance with the EF-1 submitted 3/30/2010, this letter serves to notify the Recipient that conditions have been revised in the National Environmental Policy Act (NEPA) Requirements provision in the Special Terms and Conditions of the award. The Project Officer and the NEPA Compliance Officer have reviewed the information submitted and have found the following information to be acceptable.

NEPA restricted actions lifted by DOE are shown below:

Activity Number and Title: Activity #2: Landfill Forced Draft Heater

**Determination:** The Landfill Forced Draft Heater project involves the design, installation and operation of (a) forced draft heaters in the existing Alpha Ridge Landfill maintenance shop to heat the service bays, and (b) supply and return pipelines connecting the existing landfill maintenance shop with the proposed (to be funded by others) landfill gas-to-energy (LFGTE) system. The entire construction and operation of the project would take place within the Alpha Ridge Landfill property boundaries which is owned by Howard County, Maryland.

The project includes the installation of approximately 3,000 linear feet of supply and return pipelines to transmit the recovered waste heat from the LFGTE system, where the waste heat will be recovered, to the forced draft heaters in the maintenance shop. Because the project involves the disturbance of more than 5,000 square feet, an erosion and sediment control plan is required to be filed with, and a grading permit obtained from, Howard County. The area disturbed by installation of the pipeline will either be repaved or reseeded to match the existing ground cover. Because this is a linear project and considered a temporary disturbance, Howard County does not require a stormwater management plan or site development plan to be developed. Also, because this project will disturb less than one acre, an individual permit for the discharge of stormwater associated with construction activities is not required to be filed with the Maryland Department of the Environment. Installation of the forced draft heaters will involve modifications to an existing building, and a building permit and electrical permit will need to be obtained from Howard County.

This project is contingent upon Howard County first installing an LFGTE system at the Alpha Ridge Landfill. The Howard County, Maryland ARRA EECBG Activity 2 – Landfill Forced Draft Heater project is categorically excluded from further NEPA review.

Please note that the Recipient shall ensure the safety and structural integrity of any repair, replacement, construction and/or alteration performed under this project.



If you intend to make changes to the scope or objective of your project, you are required to contact the Project Officer identified in Assistance Agreement before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

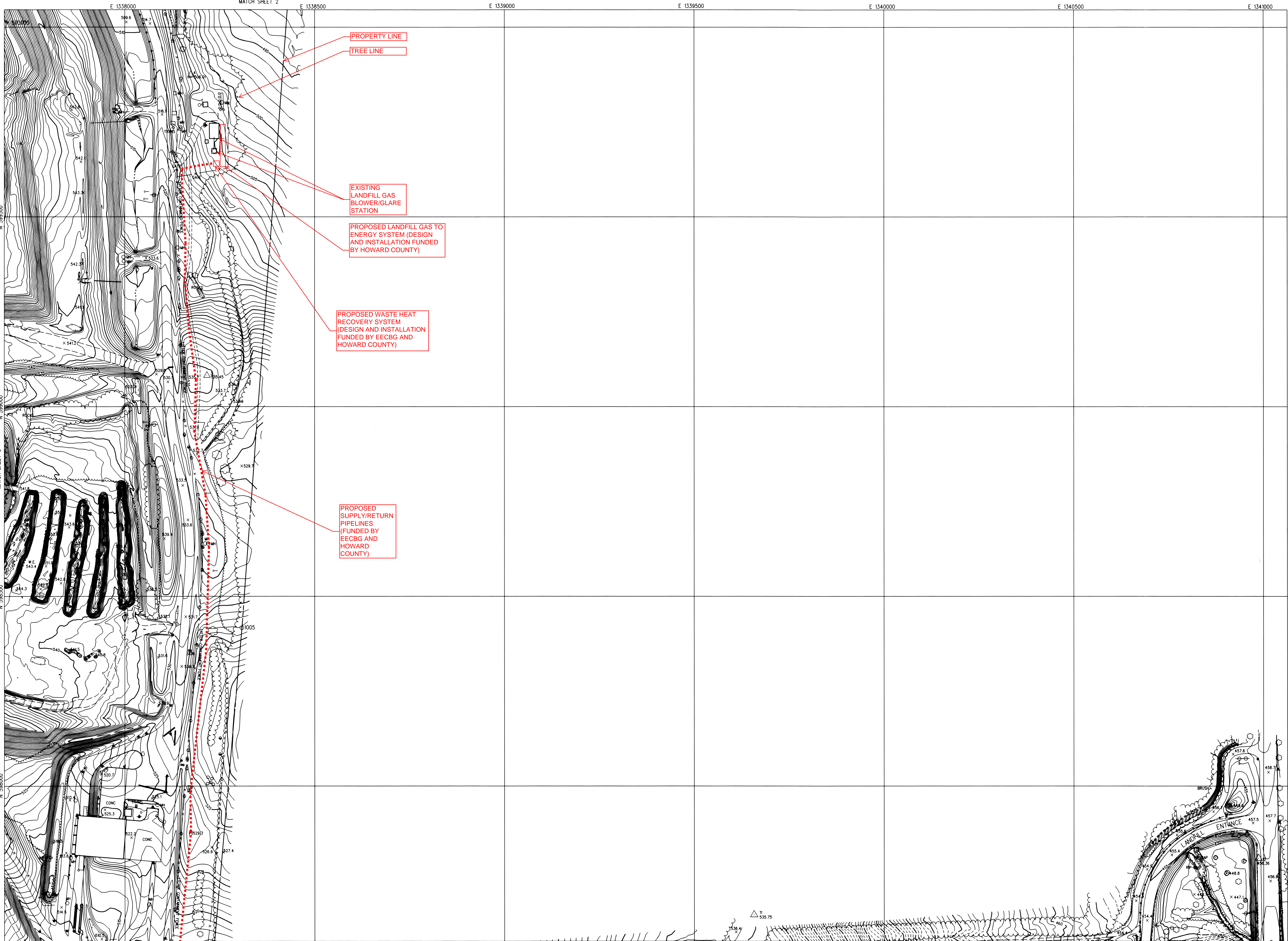
These changes will be incorporated into the next formal modification. Questions or comments may be addressed to the DOE Project Officer, Tweedie Doe, at 720-356-1617 or [tweedie.doe@go.doe.gov](mailto:tweedie.doe@go.doe.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Sara Wilson", written in a cursive style.

Sara Wilson  
Contracting Officer





Dashed contours indicate that ground is partially obscured by vegetation or shadows. These areas may not meet standard accuracy and require field testing/completion.

Blank areas are totally obscured by vegetation or shadows.

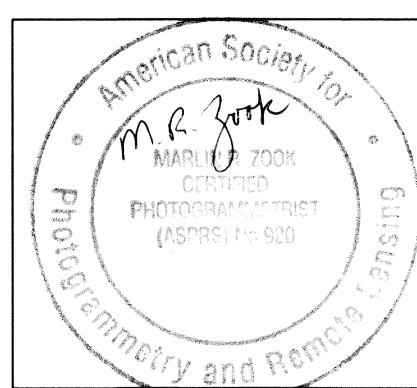
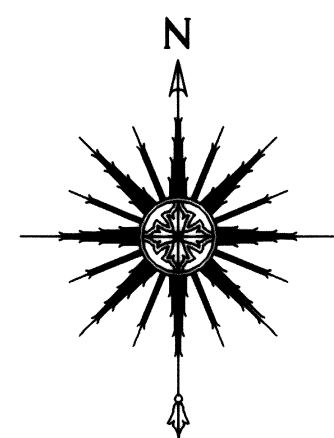
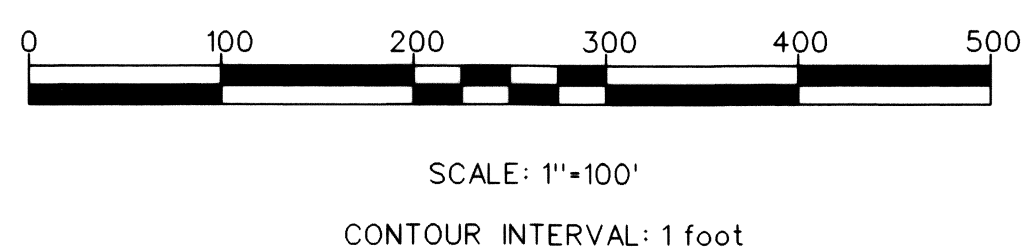
This map compiled by photogrammetric methods from aerial photography dated 12-22-08. Grid based on Maryland State Plane Coordinate System NAD 1983. Vertical datum based on NAVD 1988.

CONTROL LEGEND				
POINT	DESCRIPTION	NORTH	EAST	ELEV.
1	AERIAL TARGET	596893.871	1338082.461	496.84
2	AERIAL TARGET	598093.305	1336906.455	562.39
3	AERIAL TARGET	599082.557	1338216.185	535.45
4	AERIAL TARGET	599875.572	1338174.063	505.38
5 (2007)	AERIAL TARGET	600673.913	1337532.427	518.44
6	AERIAL TARGET	600673.913	1336710.815	550.51
7	AERIAL TARGET	599700.900	1336680.167	561.90
8	AERIAL TARGET	598827.559	1336029.337	566.74

#### LEGEND

<	CULVERT END PIPE	•	MISCELLANEOUS POLE
△	CONTROL SURVEY	•	MONITORING WELL
■	ELECTRIC BOX	○	POST
◆	FIRE HYDRANTE	○	SINGLE TREE
⊕	GUY POLE	▼	SIGN
•	GUY WIRE	×	SPOT ELEVATION
○	MANHOLE GENERAL	⊕	UTILIPOLE
— x —	FENCE LINE		
~~~~~	TREE LINE		
~~~~~	WATER LINE		

MATCH SHEET 6



ALPHA RIDGE LANDFILL  
HOWARD COUNTY MARYLAND

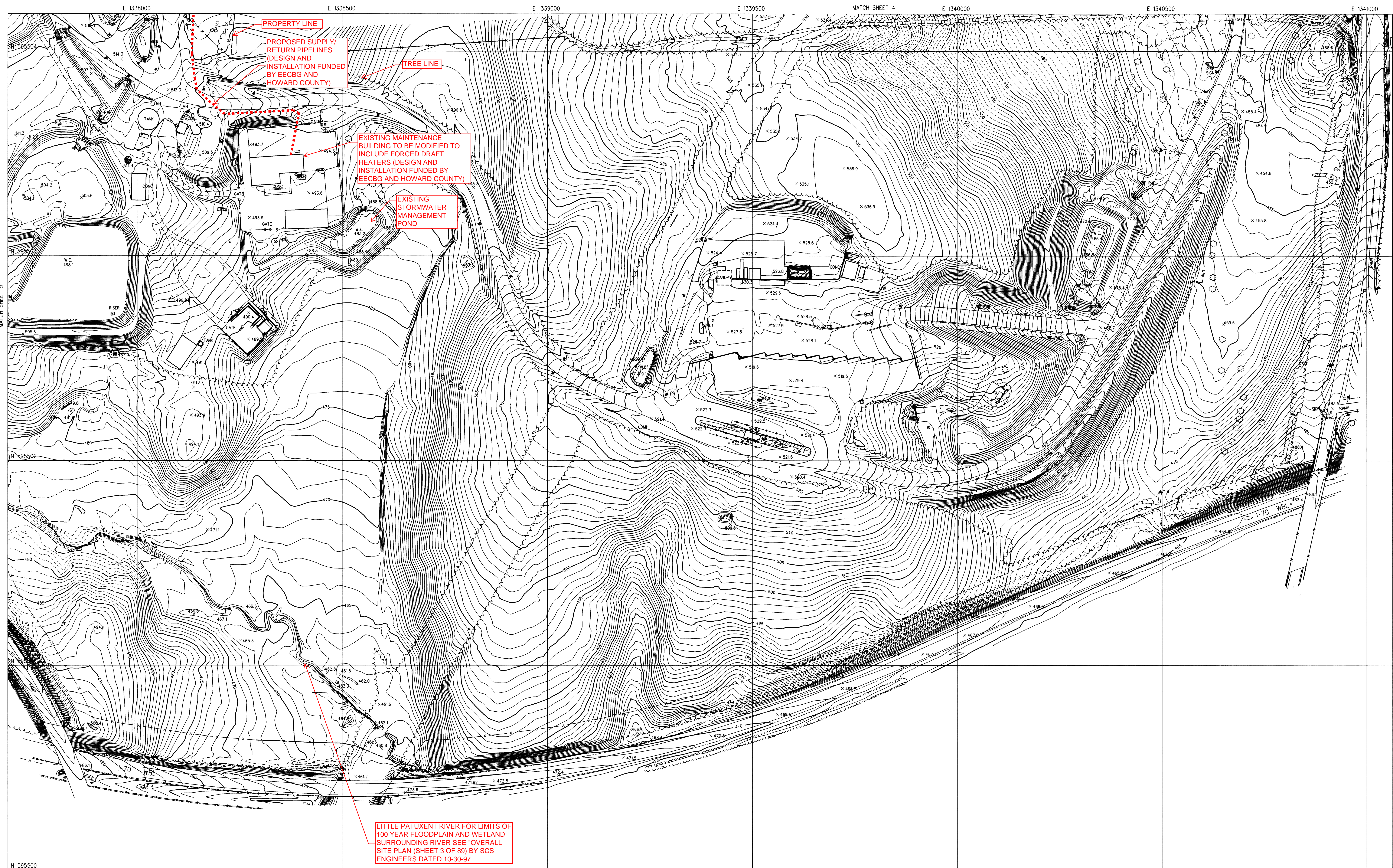
TOPOGRAPHIC MAP

DESIGN  
DRAWN  
CHECKED  
PROJECT ENGINEER

**AERO-METRIC**  
The map compiled by:  
AERO-METRIC  
4000 BARNES COUNTRY  
DALLAS, TEXAS  
2000-0700

DATE 12-22-08  
SCALE 1"=100'  
PROJECT NO.  
SHEET NO. 4 OF 6





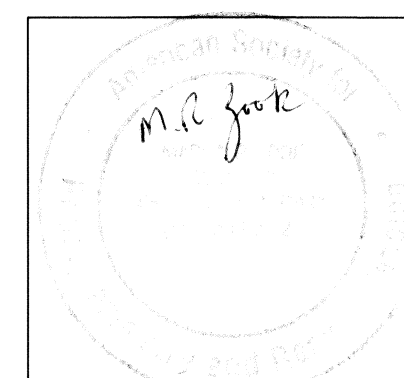
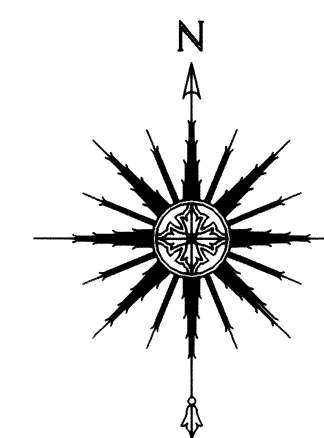
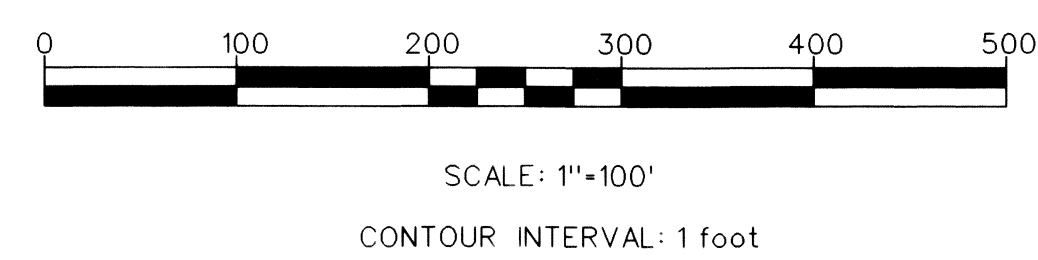
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## LEGEND

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— x —		FENCE LINE	
~~~~~		TREE LINE	
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ALPHA RIDGE LANDFILL  
HOWARD COUNTY MARYLAND

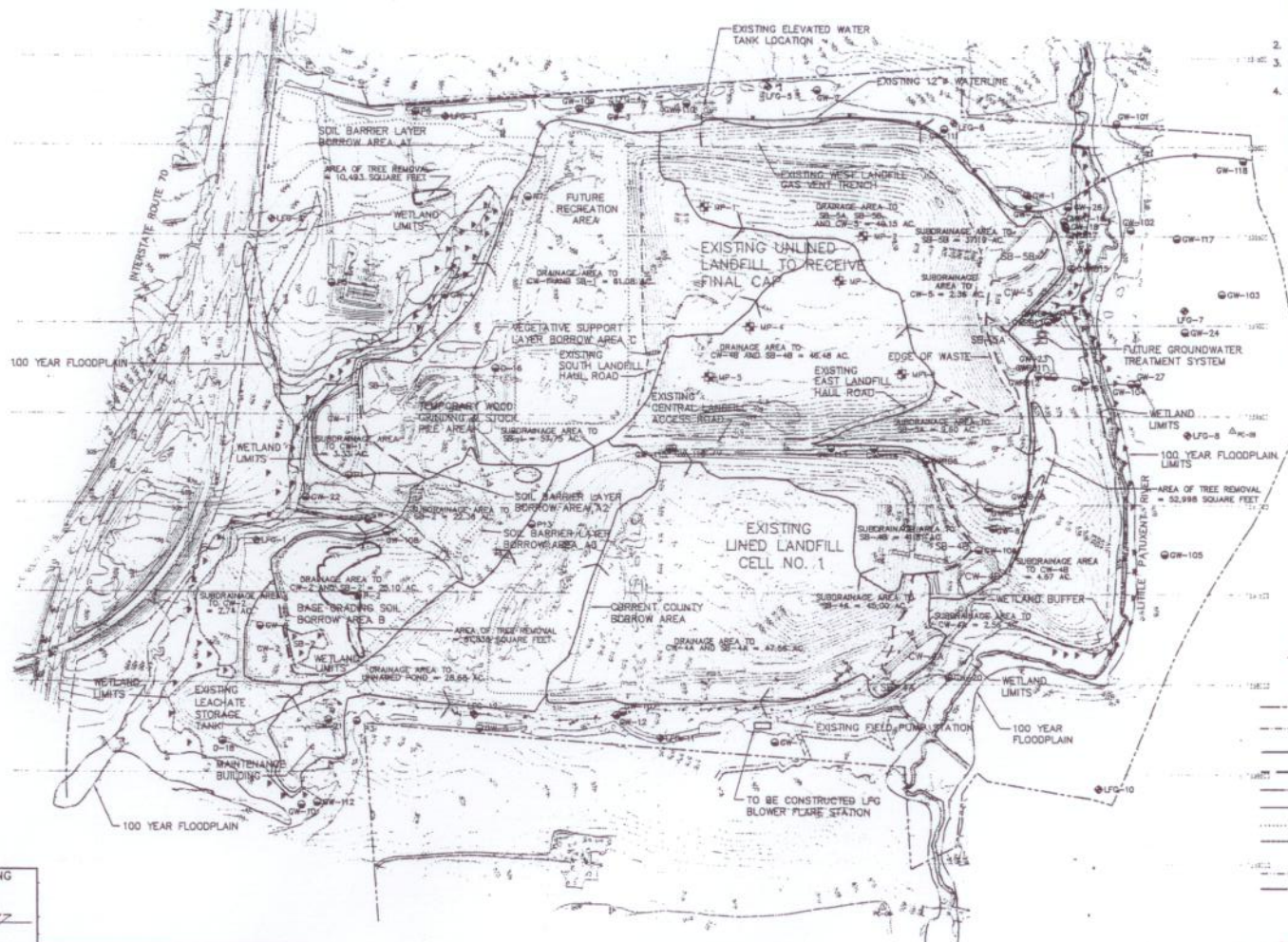
TOPOGRAPHIC MAP

**AERO-METRIC**  
This wrap compiled by:  
**AERO-METRIC**  
45180 BUSINESS COURT  
DALLAS, VIRGINIA  
20188-6708

DATE	12-22-08
SCALE	1"=100'
PROJECT NO.	
SHEET NO.	6 OF 6



- NOTES:
1. TOPOGRAPHIC INFORMATION SHOWN ON THIS SHEET WAS COMPILED BY AIR SURVEY CORPORATION, INC. FROM AIR PHOTOGRAPHY DATED JANUARY, 1997.
  2. LFG PROBES INSTALLED IN APRIL, 1996.
  3. LFG MONITORING WELLS INSTALLED IN MAY, 1996.
  4. 100 YEAR FLOODPLAIN INFORMATION PROVIDED BY HOWARD CO. INFORMATION IS BASED ON THE 1979 FLOOD PLAIN DELINEATION BY CENTURY ENGINEERING AND THE 1986 UPDATE BY BERNARD JOHNSON, INC. HOWARD CO. MAPS: GC-0119-T-36-38, GC-0119-T-35-38, GC-0119-T-234-38, GC-0119-T-35-39.



REVISION NAME	LOT/PARCEL
PHASE 1000 SOLID WASTE	04.355.020.11
REVISION	ZONE
0-847/006	10 & 18
0-874/010	REC
0-887/014	TAX/ZONE MAP
1000 CODE	SEWER CODE
1000 CODE	CENSUS TR.
1000 CODE	PRIVATE COSTING

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

RECTOR: *James S. Satter* DATE: 11/9/97

DEVELOPMENT ENGINEERING DIVISION: *James S. Satter* DATE: 12/4/97

DEVELOPMENT ENGINEERING DIVISION: *James S. Satter* DATE: 11/9/97

DEVELOPMENT ENGINEERING DIVISION: *James S. Satter* DATE: 11/9/97

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

RECTOR OF PUBLIC WORKS: *James S. Satter* DATE: 12/4/97

RECTOR OF PUBLIC WORKS: *James S. Satter* DATE: 12/4/97

SCS ENGINEERS  
CONSULTING ENGINEERS  
11260 ROGER BACON DRIVE  
SUITE 300  
RESTON, VIRGINIA 22090  
PH. (703) 471-6150  
FAX. (703) 471-6676



DES. RT. AST	BY	NO.	REVISION	DATE
DES. RT. AST	BY	NO.	REVISION	DATE
DES. RT. AST	BY	NO.	REVISION	DATE
DES. RT. AST	BY	NO.	REVISION	DATE
DES. RT. AST	BY	NO.	REVISION	DATE

OVERALL SITE PLAN

ALPHA RIDGE LANDFILL  
UNLINED CELL CLOSURE  
CAPITAL PROJECT NO. C-0190-N

SCALE:  
1"=300'  
SHEET  
3 OF 89